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FIG. 1

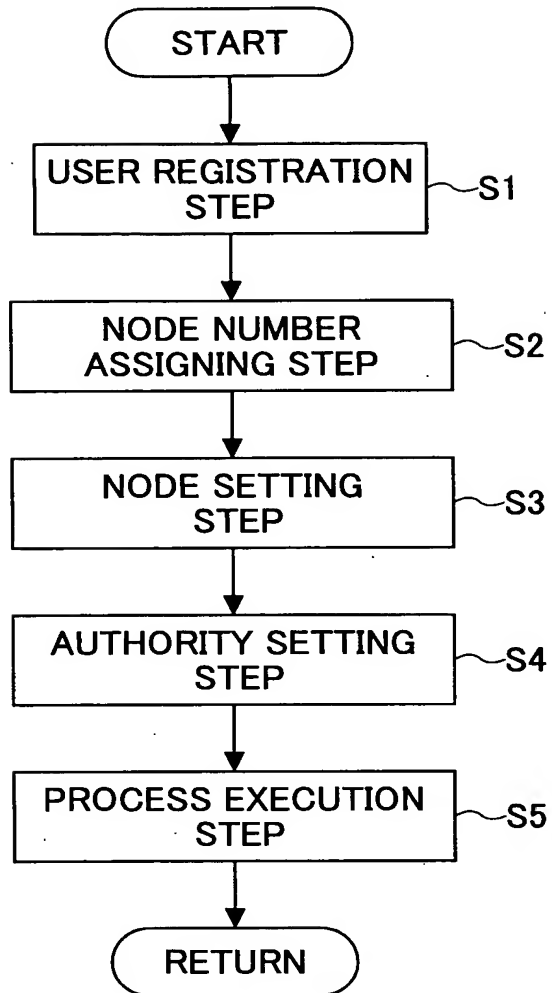
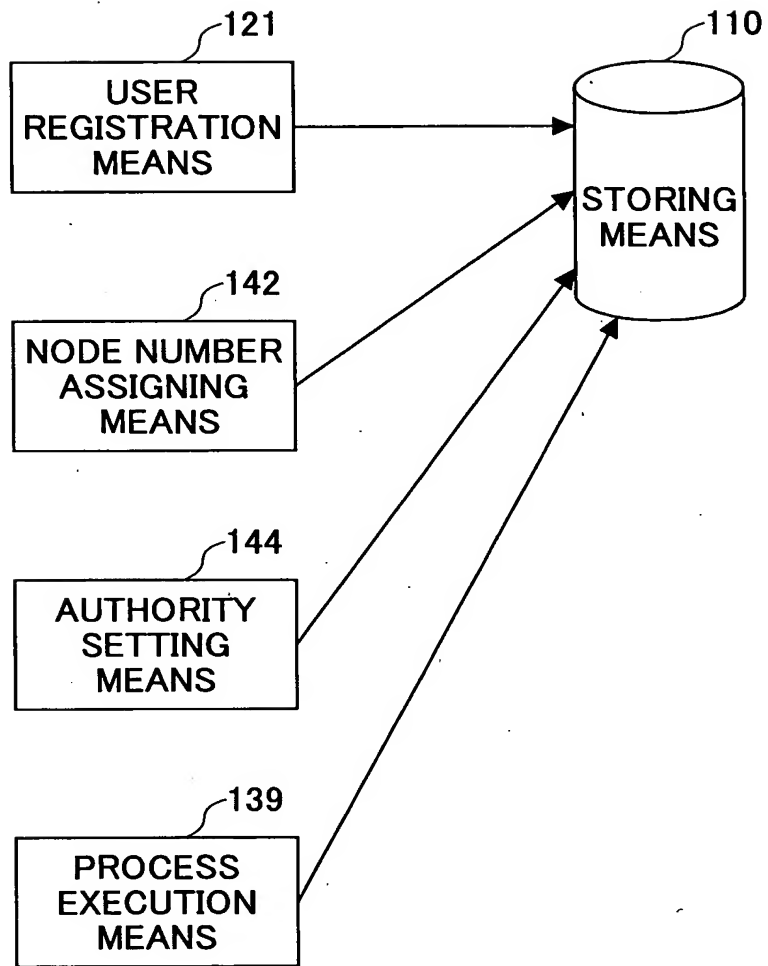
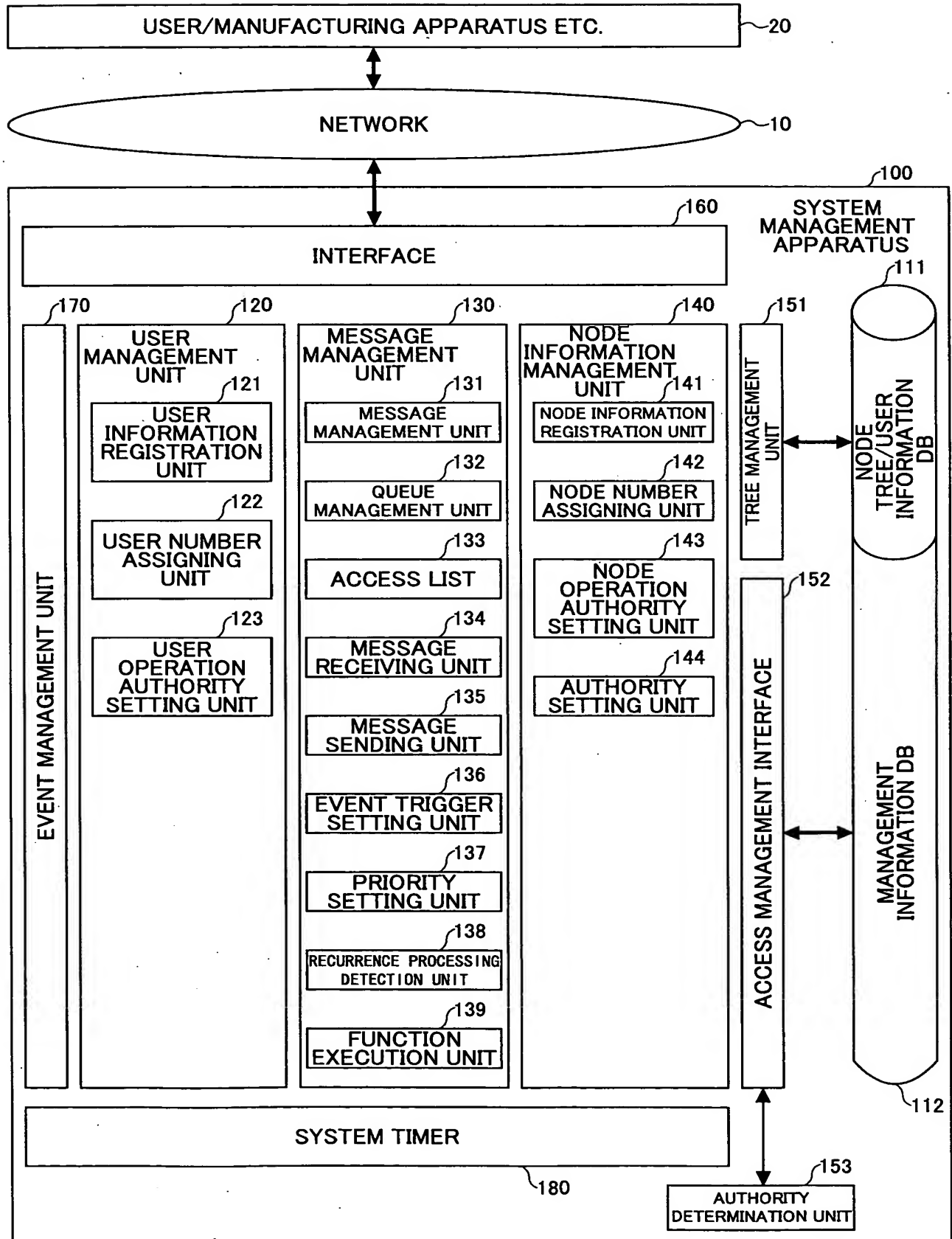


FIG.2



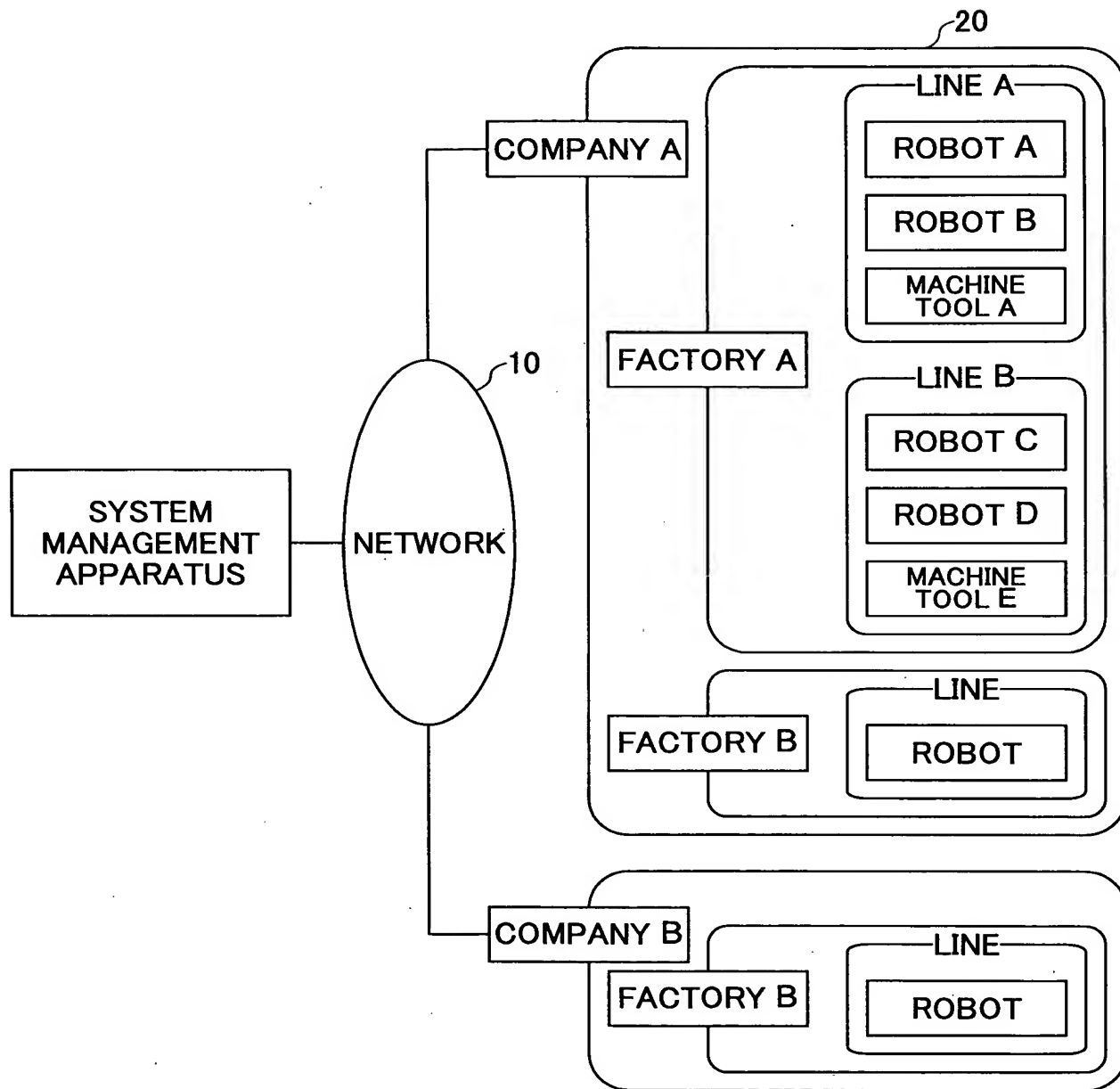
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FIG.3



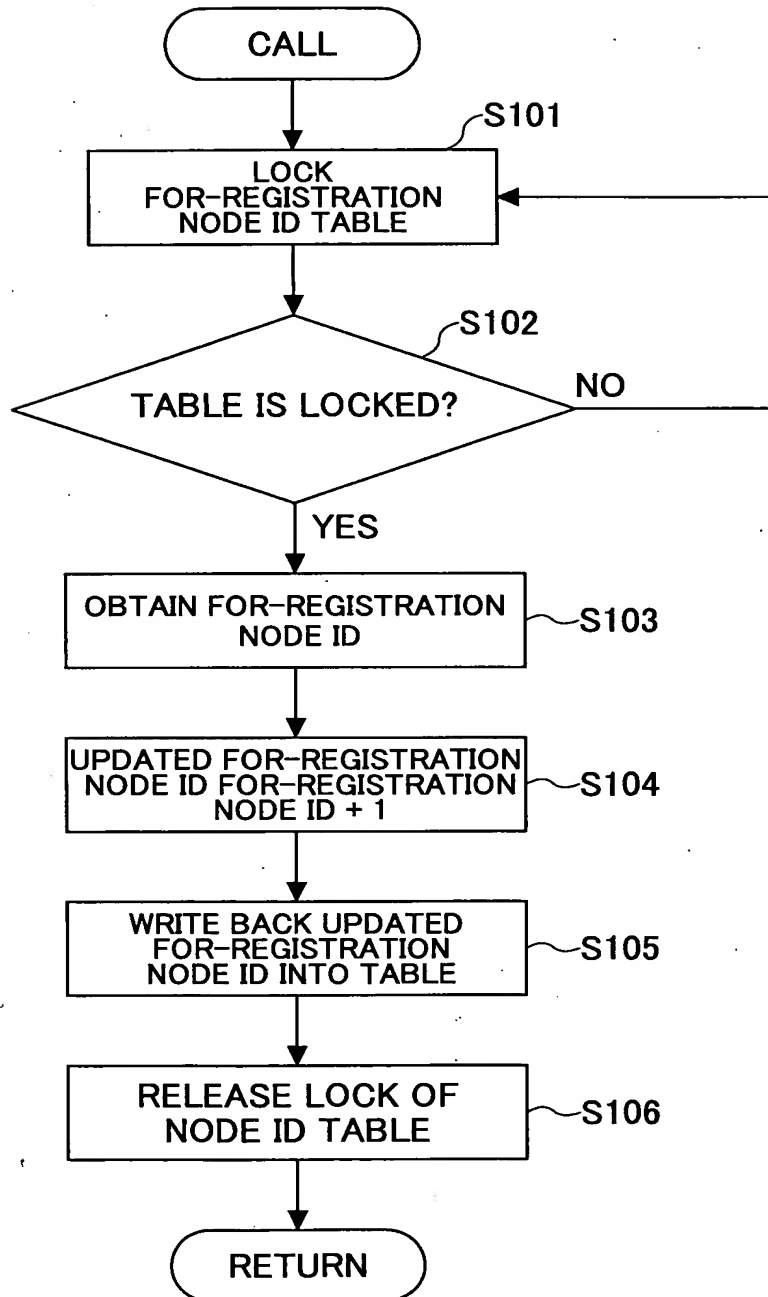
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FIG. 4



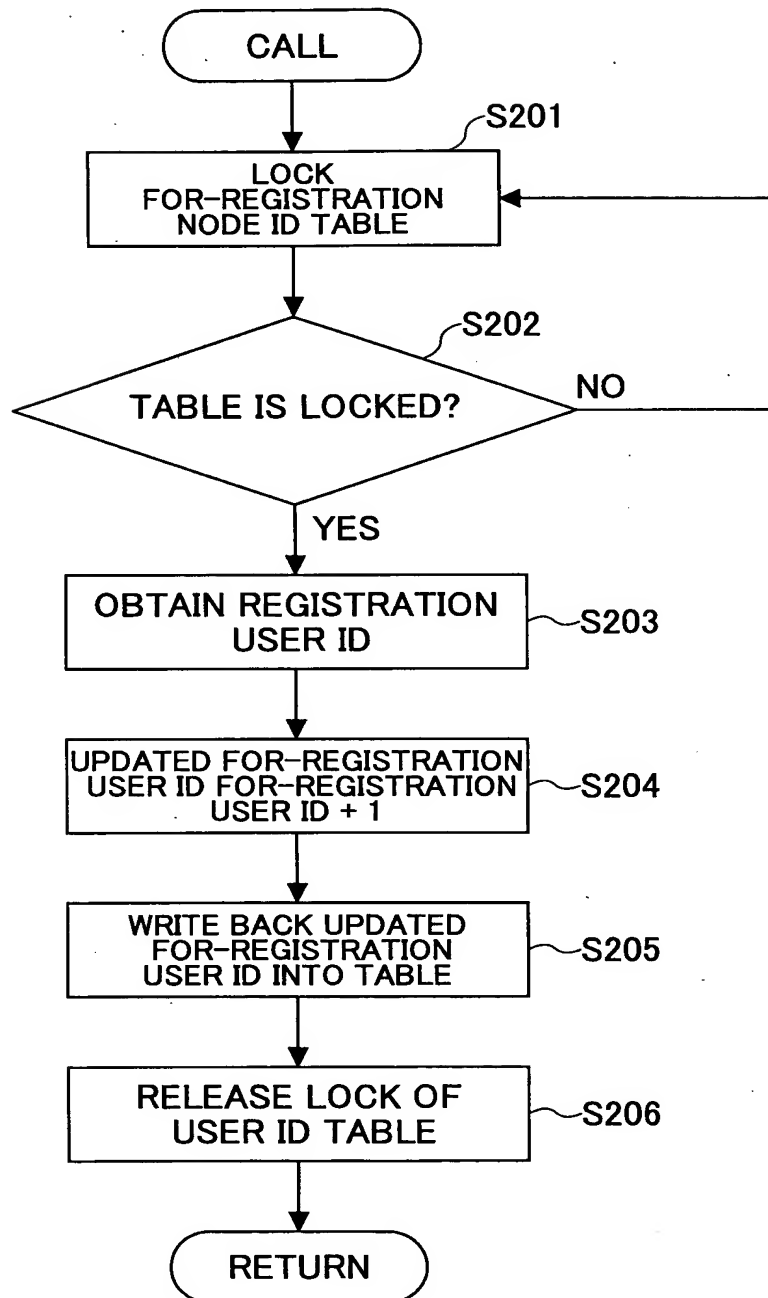
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FIG.5



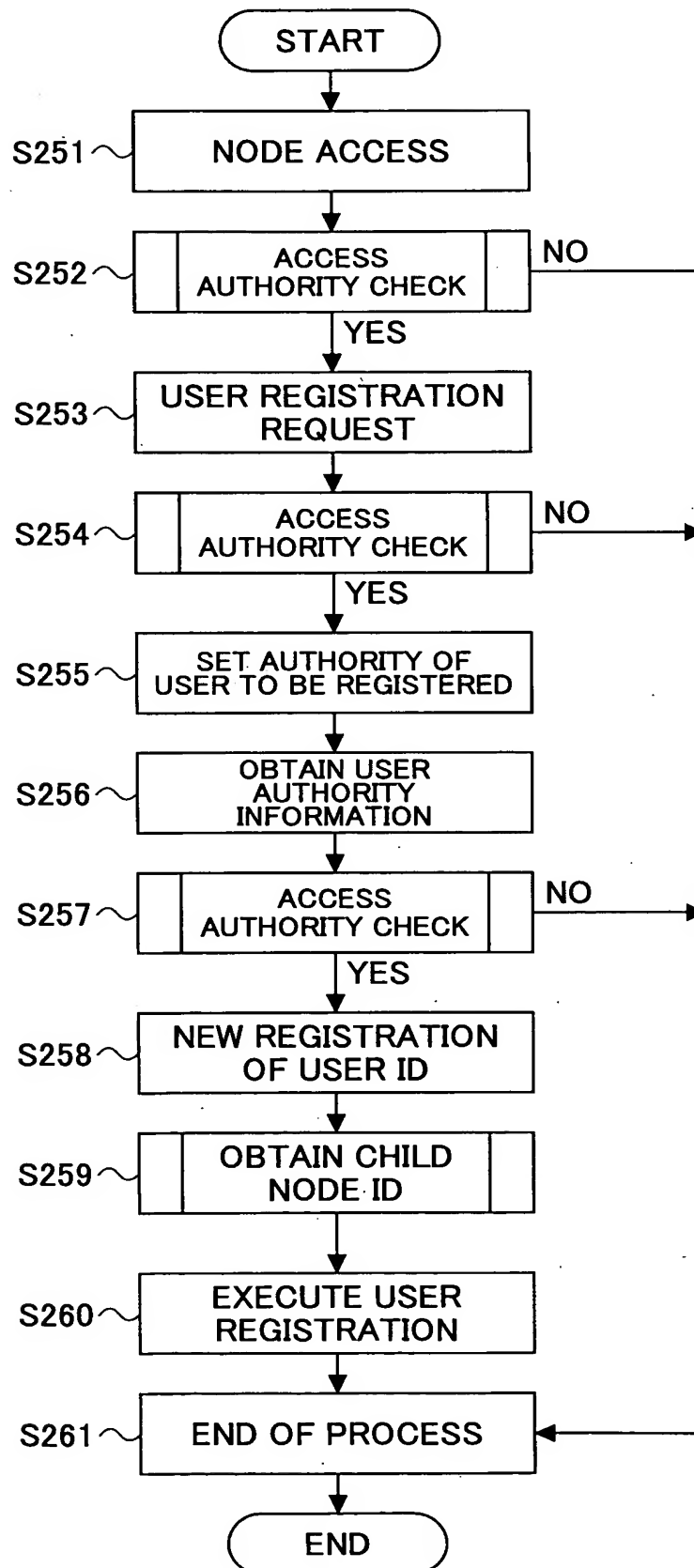
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FIG.6



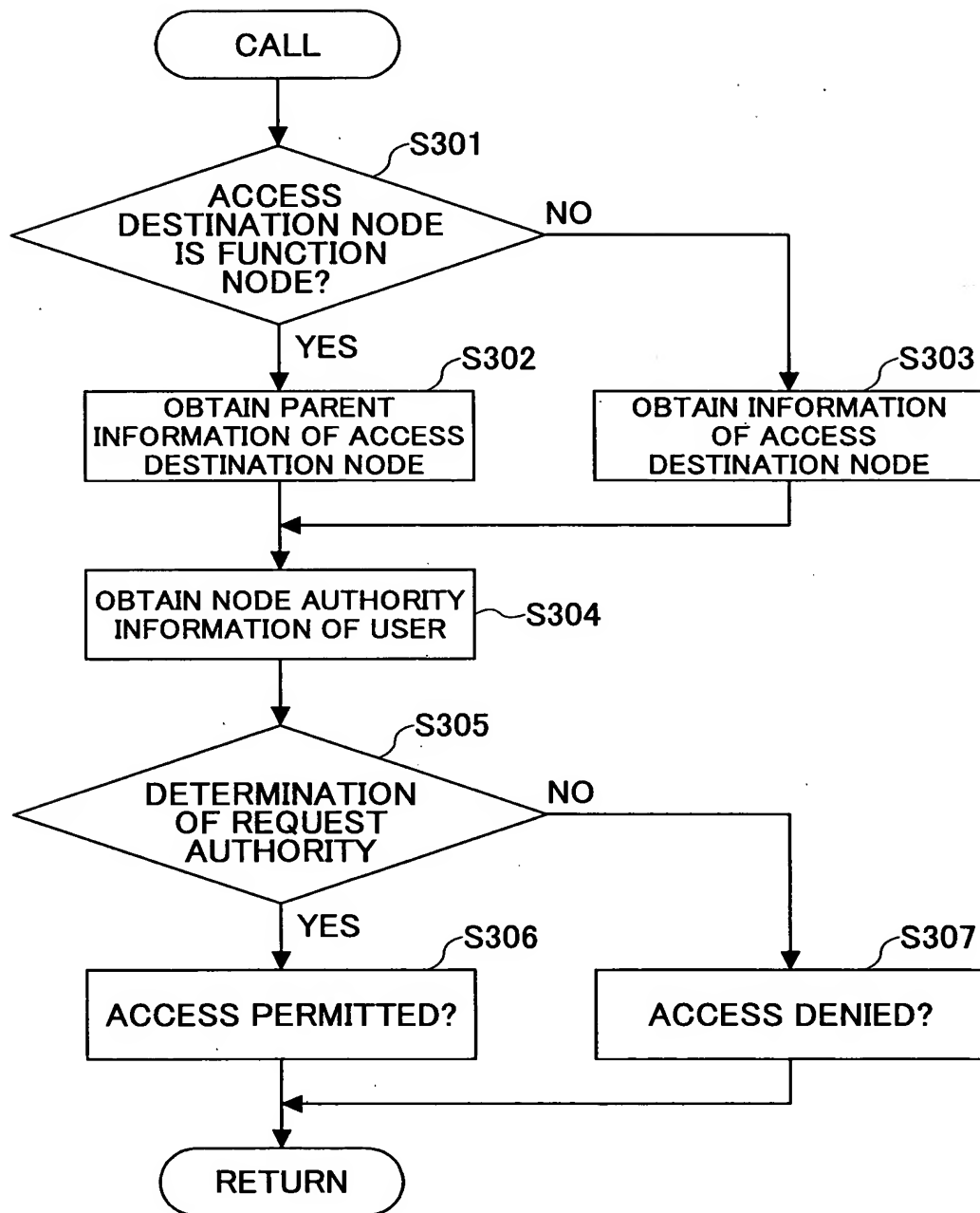
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FIG.7



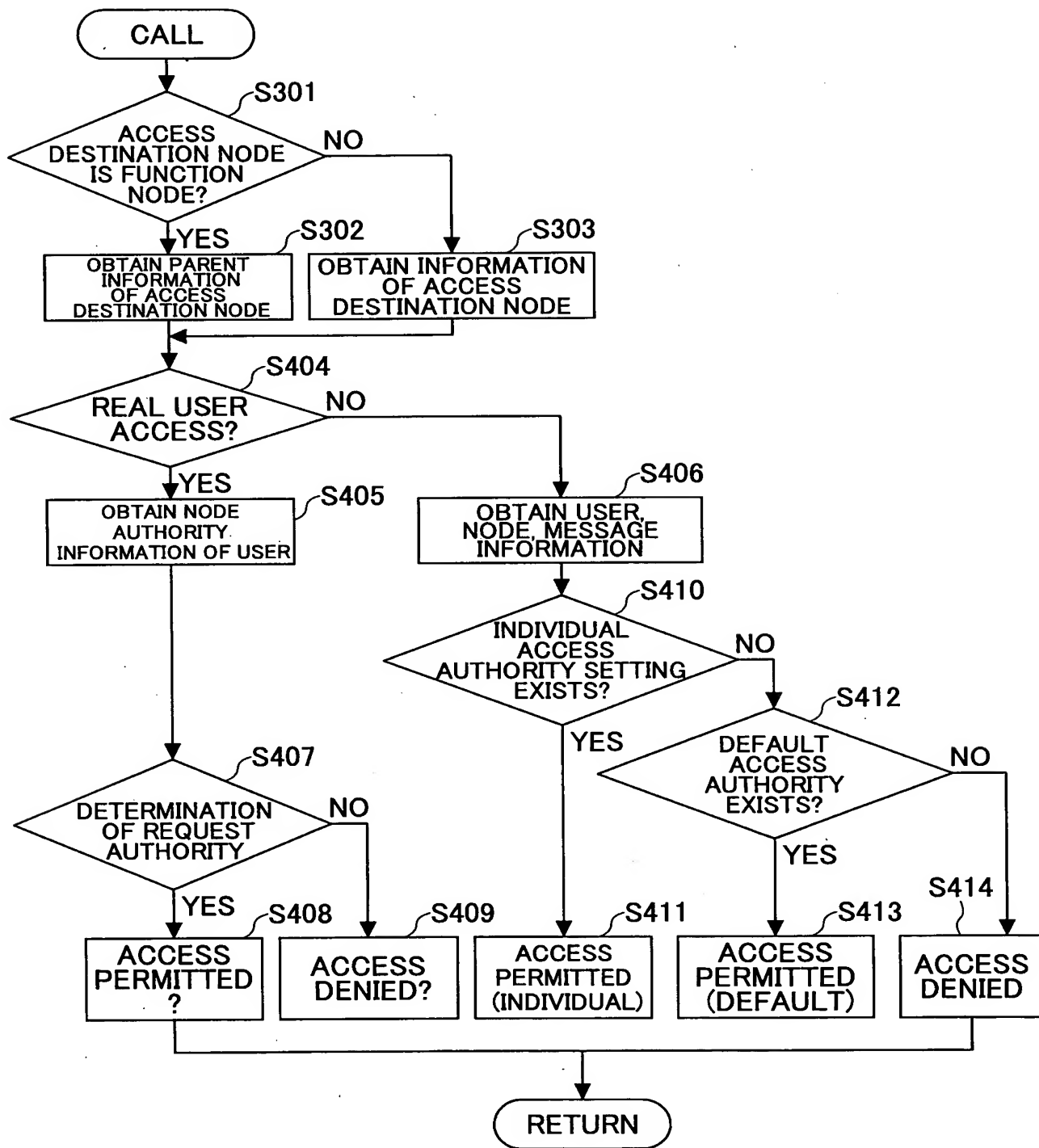
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FIG.8



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FIG.9



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FIG.10

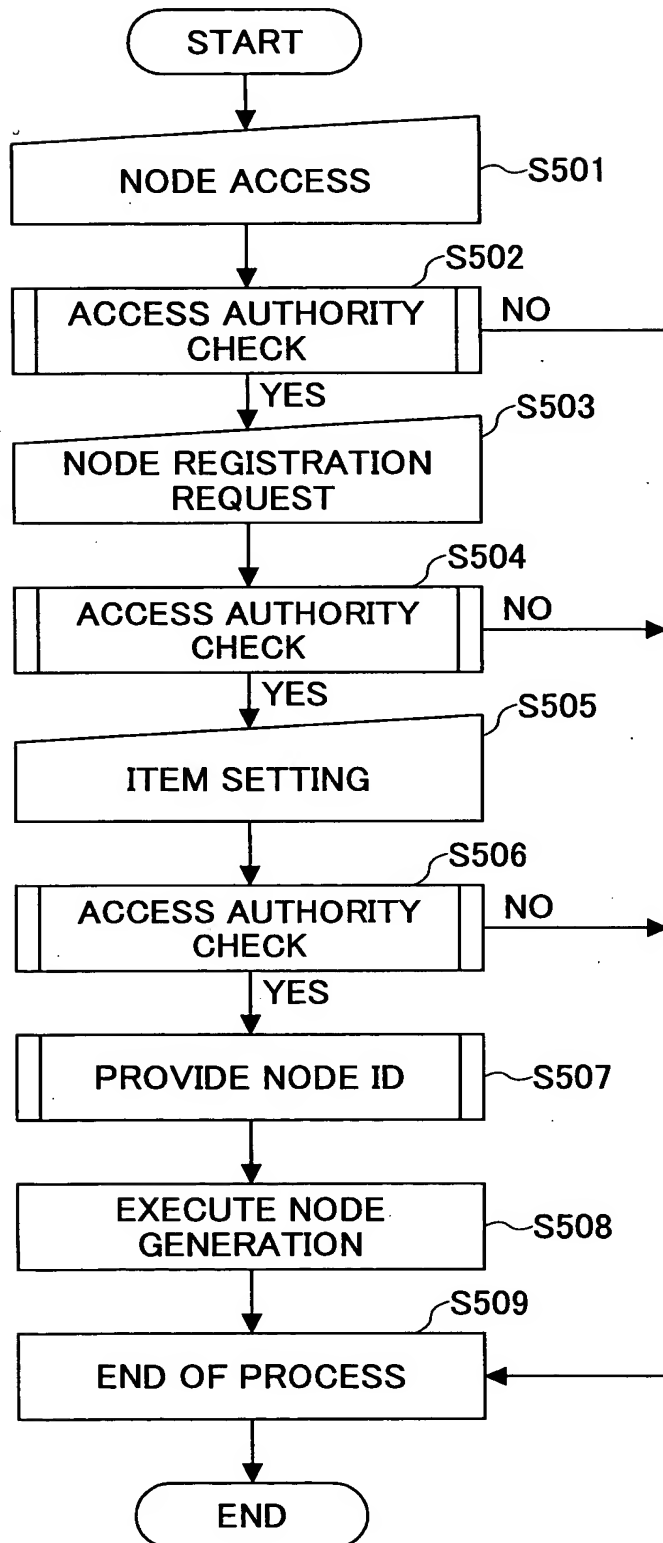
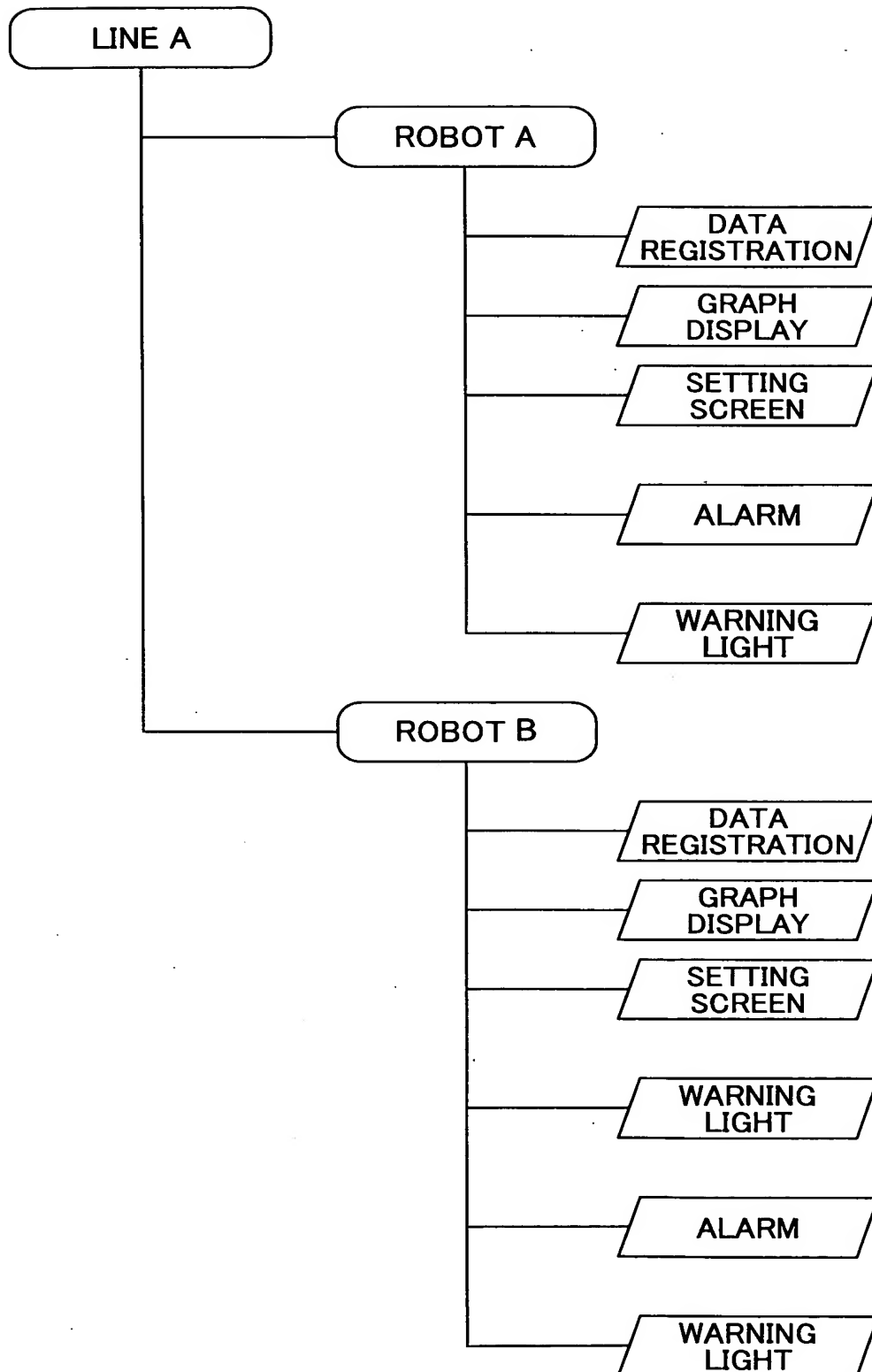


FIG.11



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FIG.12

NODE ID	USER ID	NODE ID (FUNCTION)	USER NAME	VIEWING	CHANGE	EXE- CUTION	MANAGE- MENT
101	3	—	UNREGISTERED USER	×	×	×	×
101	11	—	ROBOT OPERATOR	○	○	○	○
101	—	2	SYSTEM TIMER	○	×	○	×

FIG.13

NODE ID	PARENT NODE ID	NODE TYPE	NODE NAME
100
101	100	GENERAL	LINE A
102	101	GENERAL	ROBOT A
103	101	GENERAL	ROBOT B
104	102	DATA REGISTRATION FUNCTION	DATA REGISTRATION
105	102	ALARM FUNCTION	ALARM
106	102	WARNING LIGHT FUNCTION	WARNING LIGHT
107

FIG.14

TIME	NODE ID	DATA TYPE	CHANNEL	VALUE
2001/01/01 00:00:00:001	104	VALUE	SHOULDER JOINT ANGLE	10
2001/01/01 00:00:00:001	104	VALUE	ARM JOINT ANGLE	20
...	104	VALUE

FIG.15

NODE ID	USER ID	NODE ID (FUNCTION)	USER NAME	VIEWING	CHANGE	EXE- CUTION	MANAGE- MENT
101	3	—	UNREGISTERED USER	×	×	×	×
101	11	—	ROBOT OPERATOR	○	○	○	○
101	12	—	ROBOT MAKER SUPPORT	○	×	×	×
101	—	2	SYSTEM TIMER	○	×	○	×

FIG.16

NODE ID	USER ID	NODE ID (FUNCTION)	USER NAME/ NODE NAME	VIEWING	CHANGE	EXE- CUTION	MANAGE- MENT
102	3	—	UNREGISTERED USER	○	×	×	×
102	11	—	ROBOT OPERATOR	○	○	○	○
102	12	—	ROBOT MAKER SUPPORT	○	×	○	×
102	13	—	ROBOT DATA TRANSMISSION APPARATUS MANAGER	○	○	○	×
102	—	2	SYSTEM TIMER	○	×	○	×
102	—	105	ALARM	○	×	○	×
102	—	106	WARNING LIGHT	○	×	○	×
102	—	9999	UNREGISTRATION FUNCTION	○	×	×	×

FIG.17

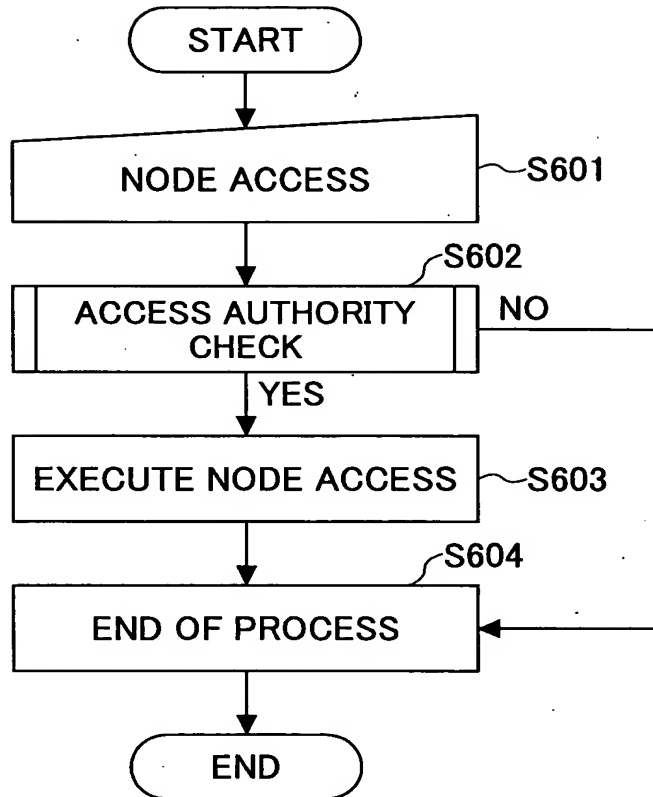


FIG.18

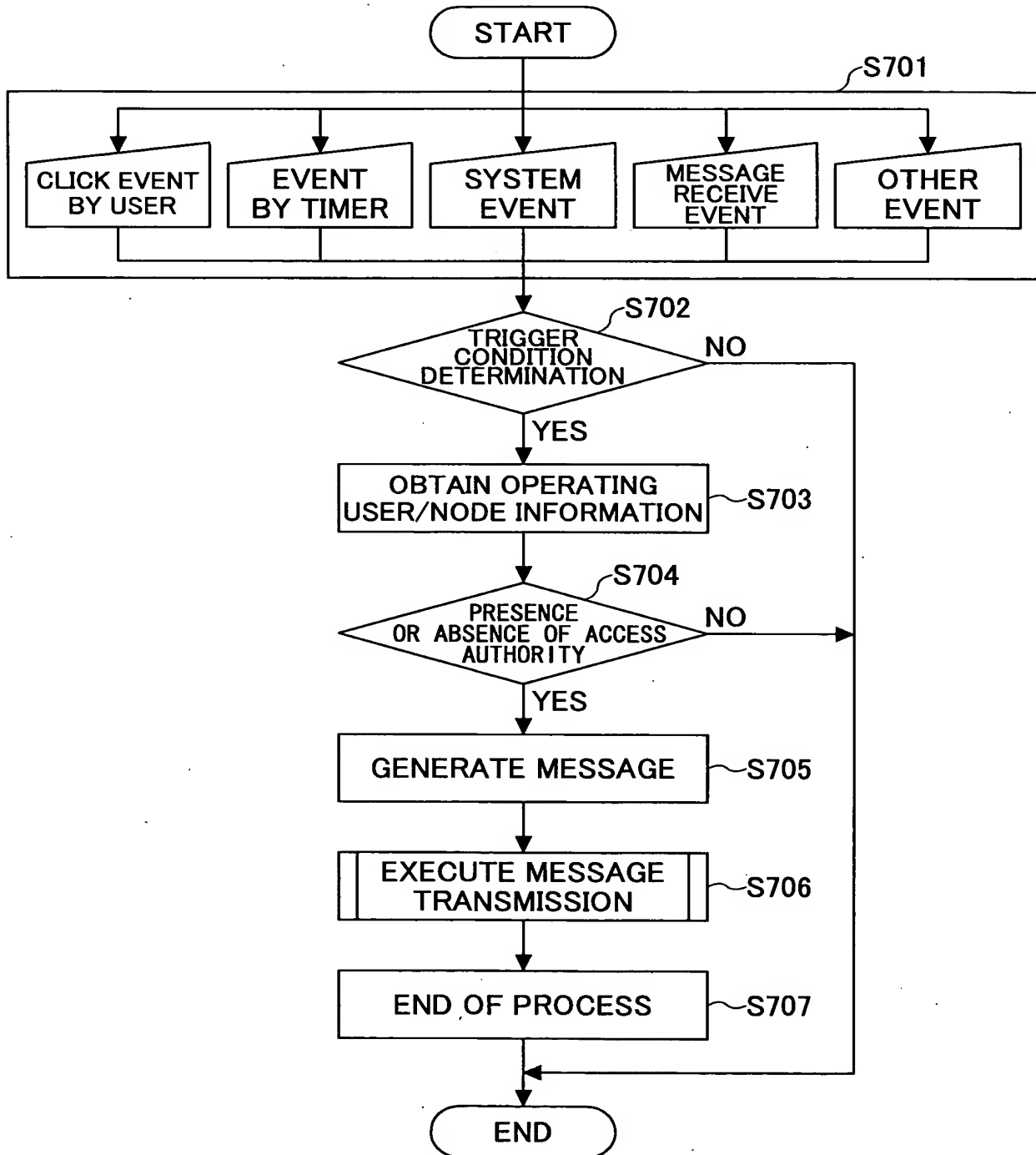
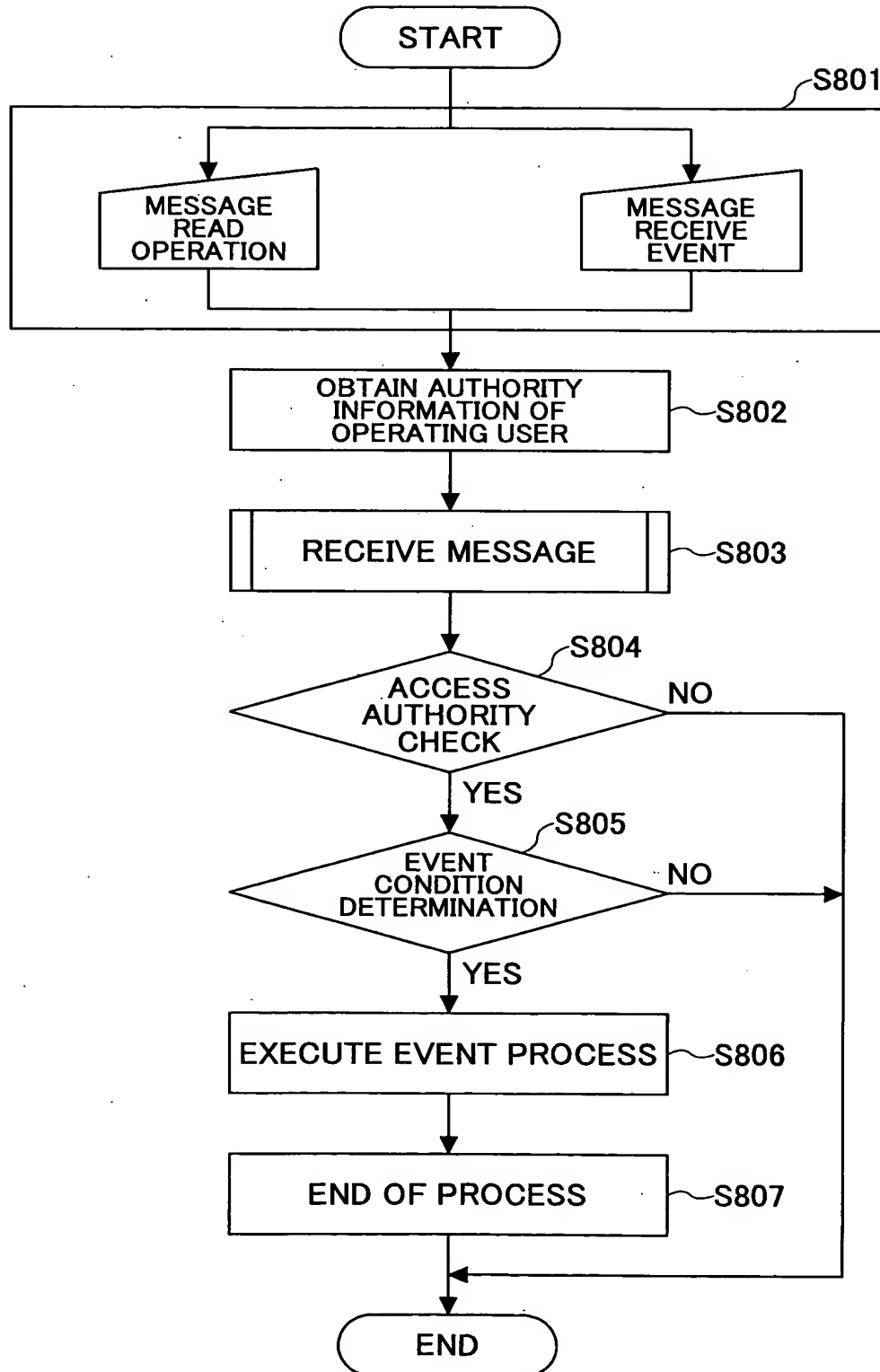


FIG.19



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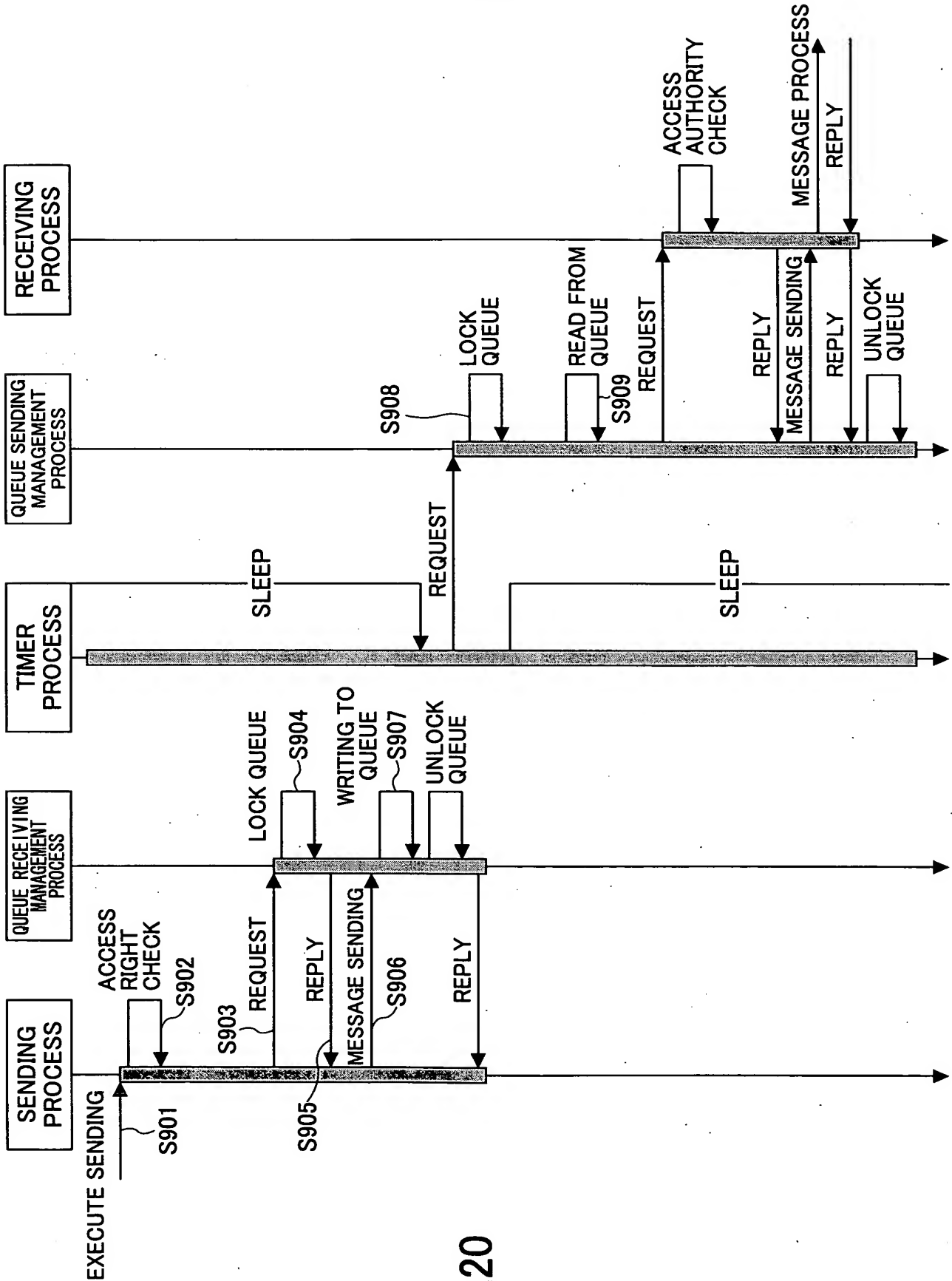
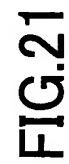


FIG.20





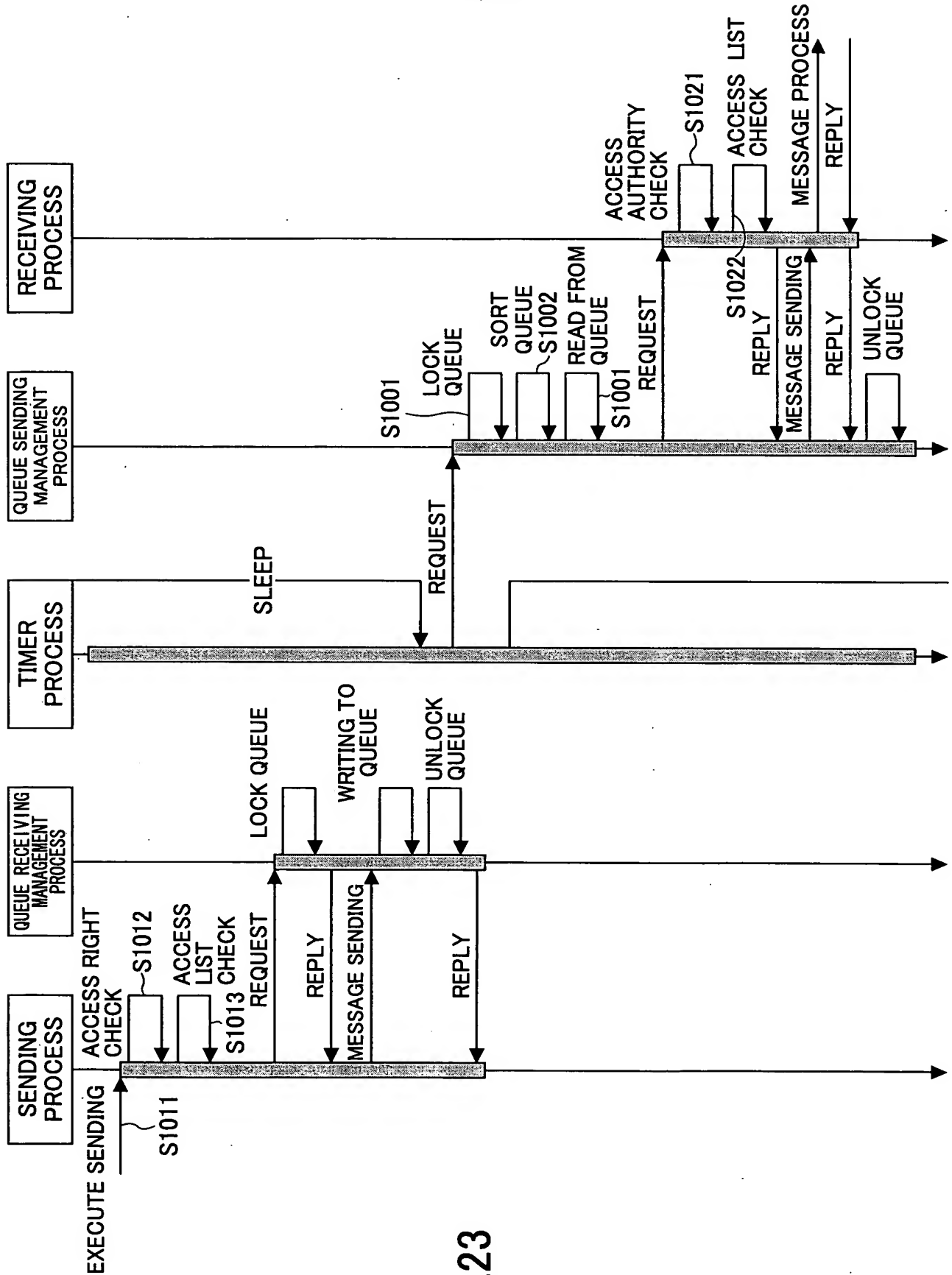


FIG.23

FIG.24

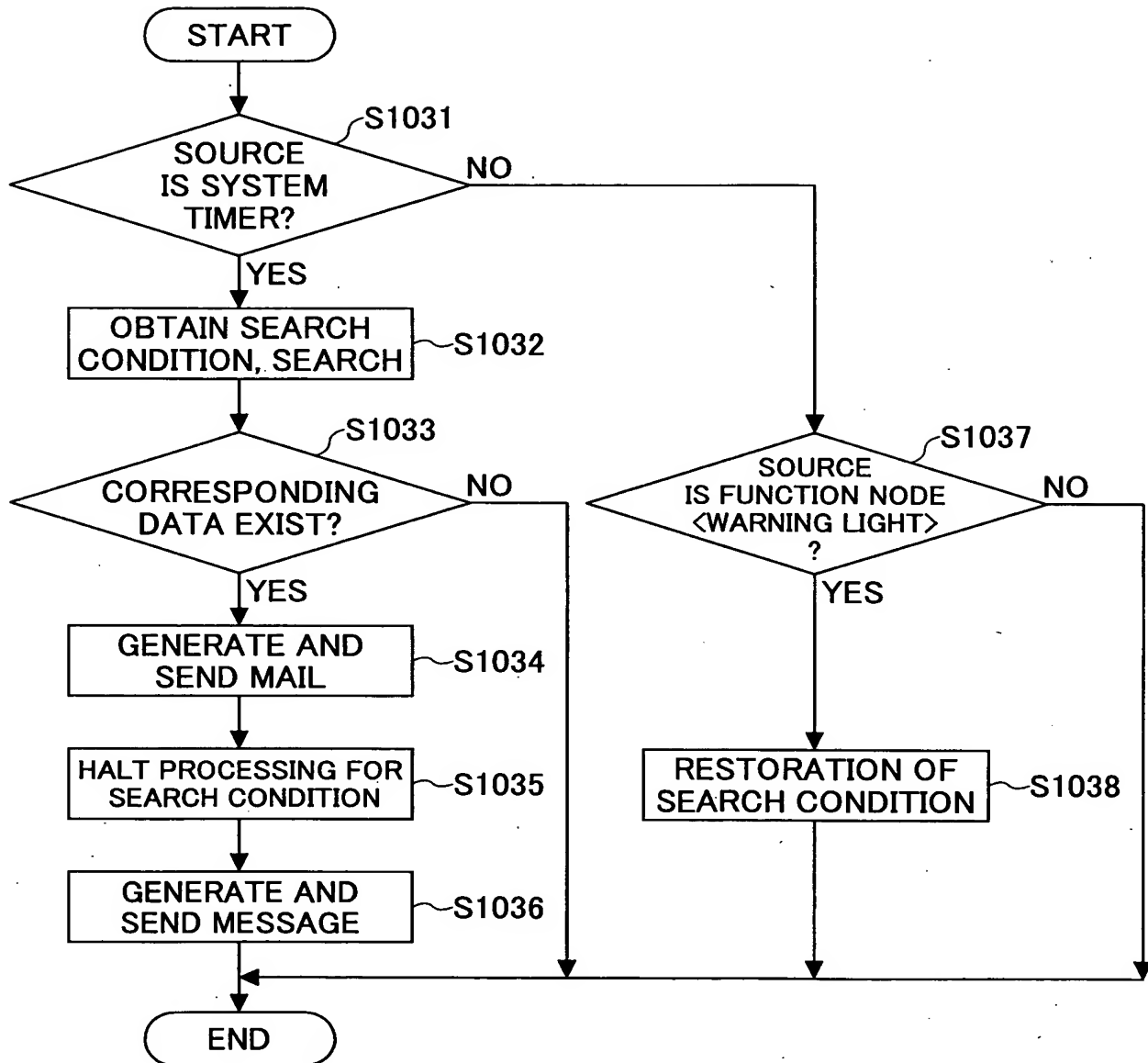


FIG.25

